



# **Section E**

## ***Advanced Reactors Transition***

### **PROJECT MANAGERS**

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## SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1, PBS RL-TP11, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Cost/Schedule data contained herein is as of March 31, 2001. All other information is as of April 26, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

## NOTABLE ACCOMPLISHMENTS

Surveillance and maintenance activities continued on the 309 Building and NE Legacies. Fieldwork began on determining electrical leads associated with the retired sodium test loop in the 337B High Bay. Once the electrical supplies are disconnected, insulators will strip off the piping insulation under an asbestos abatement program. 309 Facility Fuel Transfer Pit fieldwork resumed with the draining of about 15 gallons of liquid from the pit drain line; initially this water ran crystal clear, but then it became more turbid, indicating that some liquid was likely drained from the pit itself.

## SAFETY

Safety data for ART is included in other project reports.

## ISMS STATUS

Green

The project continues to work on improvement initiatives that resulted from the ISMS Phase II readiness review. These initiatives include improving the Automated Job Hazard Analysis (AJHA) process and worker involvement in work documentation preparation.

## CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate FFTF report.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

## UPCOMING ACTIVITIES

- Update the 335 and 337B High Bay Building Administrative Manuals, July 31, 2001.
- Stabilize the 309 Building / PRTR Fuel Transfer Pit, August 20, 2001.

## MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	0	1	1
Total Project	0	0	0	0	0	0	1	1

## MILESTONE EXCEPTION REPORT

<u>Number/WBS Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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Overdue – 0

Forecast Late – 1

<b>B79-99-900 RL</b>	Stabilize the PRTR Fuel Transfer Pit	4/20/01	8/20/01
<b>1.12.1.2.2.5</b>			

**Cause:** On January 28, 2001, the Fuel Transfer Pit plug was removed and initial contamination levels were measured at 150,000 dpm per 100 square centimeters, exceeding the radiation work permit limit and halting work. This work required direct oversight by the Health Physicist. Because the Health Physicist and other resources will be engaged in the shipment of uranium from the 300 Area over the next several months, the completion of this work needs to be rescheduled around those activities.

**Impact:** None.

**Corrective Action:** A Baseline Change Request (ART-2001-003) has been submitted to defer the workscope and the associated milestone.

## PERFORMANCE OBJECTIVES

Nothing to report at this time.

## FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD									
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP11	Advanced										
WBS 1.12	Reactors	\$ 829	\$ 721	\$ 533	\$ (108)	-13%	\$ 188	26%	\$ 1,890	\$ 1,890	
	Transition										
<b>Total</b>		<b>\$ 829</b>	<b>\$ 721</b>	<b>\$ 533</b>	<b>\$ (108)</b>	<b>-13%</b>	<b>\$ 188</b>	<b>26%</b>	<b>\$ 1,890</b>	<b>\$ 1,890</b>	

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

## FY TO DATE SCHEDULE / COST PERFORMANCE

The -\$0.1 million (13 percent) unfavorable schedule variance was due to PRTR Fuel Transfer Pit Stabilization activities being delayed due to work approval and fieldwork taking longer than anticipated.

The \$0.2 million (26 percent) favorable cost variance was due to lower than anticipated corrective maintenance costs and effective cost performance in NE Legacies.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (-\$0.1M)

#### Advanced Reactors Transition — 1.12.1/TP11

**Description and Cause:** The unfavorable schedule variance was primarily due to the longer than anticipated work approval and field work complications for the 309 Building / PRTR Fuel Transfer Pit cleanout.

**Impact:** The completion of this work may be further impacted by resource availability.

**Corrective Action:** Schedule recovery is being managed in conjunction with resource availability.

### Cost Variance Analysis: (+\$0.2M)

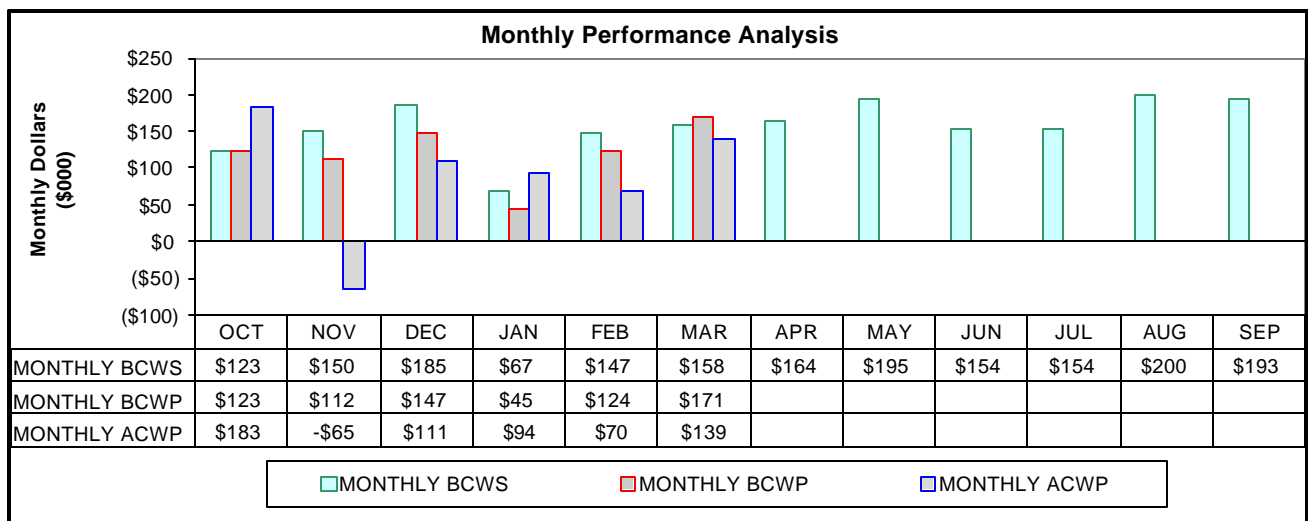
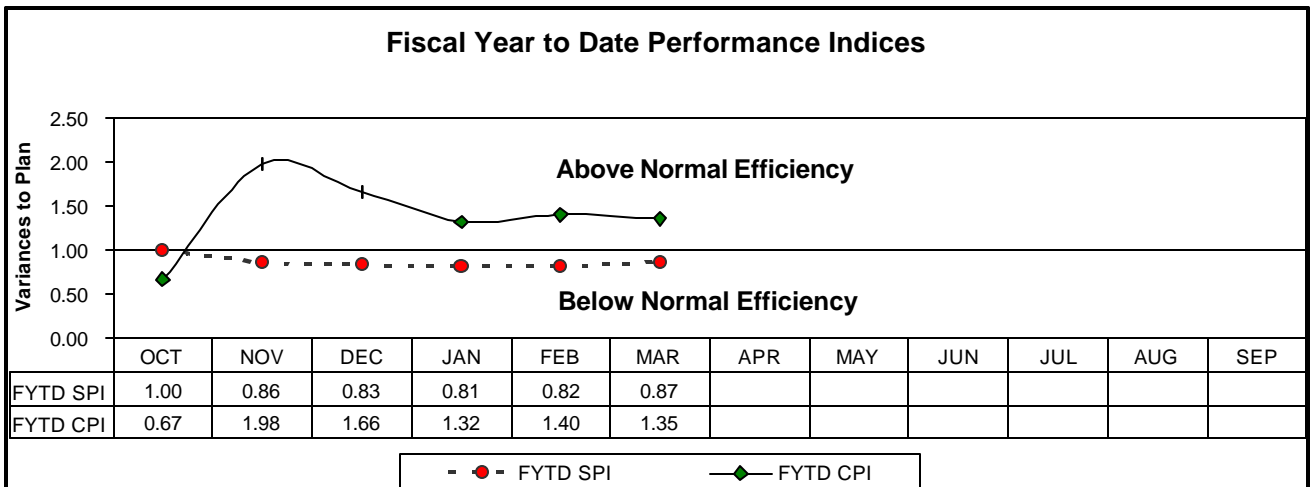
#### Advanced Reactors Transition — 1.12/TP11

**Description and Cause:** The favorable cost variance was primarily due to lower than anticipated corrective maintenance costs and effective cost performance in NE Legacies.

**Impact:** There is no project impact at this time.

**Corrective Action:** None required; the variance will continue to be monitored.

## COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



## FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000)

	Project Completion *			Post 2006 *			Line Items *		
	Funds	Actual Cost	Variance	Funds	FYSF	Variance	Funds	Actual Cost	Variance
The River 1.12 Advanced Reactors (EM)				\$ 3,483	\$ 3,283	\$ 200			
Total Advanced Reactors Operating				\$ 3,483	\$ 3,283	\$ 200			
Total Advanced Reactors Line Item									

\* Control Point

## ISSUES

### Technical, Regulatory, External, and Doe Issues and DOE Requests

**Issue:** Nothing to report at this time.

**Impacts:** None.

**Corrective Action:** None at this time.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2001-002	12/15/2000	MYWP Phase 2 - FY 2002 and Out Years	-0-	X	X				Draft
ART-2001-003	03/06/2001	Delay RL Milestone B79-99-900, "Stabilize the PRTR Fuel Transfer Pit"	-0-	X		03/28/2001	04/11/2001		In Progress
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

## KEY INTEGRATION ACTIVITIES

Nothing to report at this time.